

Safety Evaluation

Page 1 of 3

Safety Evaluation Number ¹ : SE-W375-99-00017	Revision No:	0
ABCN Number: <u>ABCN-W375-99-00063</u>		
Safety Evaluation Subject: Redefinition of Documentation of the Cor	ntrol Strategy Dev	velopment Process

PART I: DESCRIPTION OF THE PROPOSED REVISION, BACKGROUND, AND SCHEDULE

1. Describe the proposed revision (including credible failure modes, if applicable).

The implementing standard for safety standards and requirements identification (SRD Volume II, Appendix A) requires that documentation of the hazard control strategy development process be a narrative. In addition, it requires that the documentation identify all control strategies considered and provide a defensible rationale for selection of the preferred strategy.

It is proposed that the requirement for documentation of the hazard control strategy process to be a narrative is replaced by a requirement to identify the control strategies selected and the linkage of control strategies with hazards in the Standards Identification Process Database (SIPD).

The requirement to identify all control strategies considered and to provide a defensible rationale for selection of all preferred control strategies is clarified to note that, when the appropriate control strategy is self-evident, or where a proven control strategy exists that is appropriate to the hazard, the rationale need only state that fact and not provide a discussion of other, obviously inappropriate, alternatives. In other cases, a formal evaluation of potential alternative control strategies is required, along with the defensible rationale for selection of the preferred strategy. In either case, the rationale will be provided or referenced in SIPD via the Design Basis Event used to develop the strategy.

2. Identify the affected Authorization Basis (AB) documents and perform a comparison and assessment of the revision against the AB.

The affected AB document is SRD Volume II, Appendix A, *Implementing Standard for Safety Standards and Requirements Identification*. The comparison and assessment is provided in Part II, item 1, below.

3. List the references used for the safety evaluation.

None.

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4. Describe the planned revision implementation schedule.

The proposal will be implemented within 30 days of approval.

¹ The Safety Evaluation Number shall be obtained from Project Document Control.

K70F509 Rev 0 (8/18/99)

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Safety Evaluation

Page 2 of 3

Safa	ty Evaluation	Number ¹ :	SE-W375-99-00017	Revision No:0		
	•		-	Revision IVO.		
ABC	CN Number:	ABCN-W	375-99-00063			
Safe	ty Evaluation	Subject: 1	Redefinition of Documenta	tion of the Control Strategy Development P	rocess	
PA	RT II:	REGUL	ATORY IMPACT OF P	ROPOSED AB REVISION		
			e to be answered as part of change if applicable) requ	the safety evaluation, to determine if the proires prior RU approval.	posed AB	revision
1.	Does the revestablished in	in the appro		ation of a standard previously identified or	YES	<u>NO</u>
			nodification of the ''Impler ntifcation,'' SRD Vol. II Ap	nenting Standard for Safety Standards opendix A.		
	The SRD, V	olume II, A	appendix A states:			
	defining the strategy sho radionuclide (procedures strategy. Th	overall appuld be desces, etc.) and and trainice documen	proach to control a specific cribed in terms of the safet I in terms of a set of engine ng), and management syste	evelopment process shall be a narrative correlation pre-identified hazard. The control y functions required (e.g., limit release of eered features, administrative controls ems selected for implementing the control strategies considered and provide ed strategy."		
	requirement hazard wou includes no Safety," req documented of Control S	t to provide ld result in such requires that to indicate trategies to ase, which	e a narrative description for an excessive commitment rement. Regulatory Position the control strategy develon e selection of the Hazard Control the respective hazards."	ISM process has shown that the or control strategies developed for each of resources. The 0004 process itself on paper RL/REG-98-17, "Tailoring for pment " part of the process be clearly ontrol Strategies and to show the linkage This requirement will be met by the I strategies and show their linkage to the		
	control strate operations at the control strate control strate correct of appropriate exposure to in shielded to solution. In application document the control strate contr	tegy, the in and the eng strategies s control stra- to the haza radioactive anks. It wo those cases of informed ne control s	tegrated teams, which inclineering disciplines, ensur- elected are appropriate for etegy is self-evident or a prard. For example, to control e feed material, the correct ould be a misuse of resource where the correct control d judgment of the integrate trategy selection process.	nsible rationale for the selection of the ude suitably qualified staff from safety, e, during the development process, that their respective hazards. In many cases oven control strategy exists that is of the hazard due to direct radiation control strategy is to place the material es to consider alternatives to this proven strategy cannot be selected by ed team, it is necessary to carry out and An example of this is selection of an associated with hydrogen accumulation.		
2.		-		nent currently described in the AB?	\boxtimes	
	JUSTIFICATI	ON:				

The proposed changes reduce commitments in SRD Vol. II Appendix A to provide a narrative description of the control strategy development process and to always provide a



Safety Evaluation

Page 3 of 3

Safet	y Evaluation Number ¹ : SE-W	/375-99-00017	Revision No:0			
ABC	N Number: ABCN-W375-99	-00063				
Safet	y Evaluation Subject: Redefin	ition of Documentation of	the Control Strategy Developme	ent Process		
	defensible rationale for the pr	eferred control strategy.		YES	<u>NO</u>	
3.	Does the revision result in a replan described in the AB.	eduction in the effectivenes	ss of any program, procedure, or		\boxtimes	
	JUSTIFICATION:					
	the AB.	a change to any program,	procedure, or plan described in			
	e: Guidance on defining the ter Managing Changes to the Auth		above questions in provided in K 6.	770C528, Code of	f Practice	
If al	I the answers to the above ques	stions are no, then the char	ge can be made without prior RU	J approval.		
			red prior to implementation of th to obtain RU approval (see K700			
PA	RT III: SAFETY EVAI	LUATION CONCLUSION	ON			
	All PART II questions are answered No. Therefore, RU approval is NOT required prior to implementing the proposed AB revision (and initiating change where applicable).					
	At least one PART II question is answered Yes. Therefore, RU approval IS required prior to implementing the proposed AB revision (and initiating change where applicable). Issuance of an ABAR is required to obtain RU approval.					
			23 No	ov 99		
Eva	luator/Originator		Date			
Rev	iewer ²		Date			
Maı	nager, Safety and Regulatory P	rograms	Date			

K70F509 Rev 0 (8/18/99)

² The reviewer should be a person from the same department as the Evaluator/Originator and at least as qualified as the Evaluator/Originator to conduct safety evaluations.